

Title (en)
METHOD FOR PRODUCING OPTICAL LENS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON KONTAKTLINSEN

Title (fr)
PROCÉDÉ POUR PRODUIRE UNE LENTILLE OPTIQUE

Publication
EP 2682807 A4 20171220 (EN)

Application
EP 12751953 A 20120228

Priority
• JP 2011041427 A 20110228
• JP 2012041679 A 20120228
• JP 2012054963 W 20120228

Abstract (en)
[origin: EP2682807A1] Provided is a method for producing an optical lens in which a processed pattern can be accurately formed on a lens surface at a predetermined position of a lens substrate without limiting the material. A mark adapted to perform position alignment is formed outside a lens region set in a lens substrate (11). A masking layer (21) is pattern-formed above one principal surface of the lens substrate (11) by an inkjet method while formation position of the masking layer (21) is controlled with the mark as a reference, wherein the masking layer (21) has an aperture pattern (21a) at a predetermined position in the lens region. A selective process with respect to a surface exposed from the aperture pattern (21a) of the masking layer (21) is performed by performing a process from above the masking layer (21). The masking layer (21) is removed from above the lens substrate (11) to form a transparent pattern (19a), as the processed pattern, by the selective process on the side of the one principal surface of the lens substrate (11).

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
• [Y] EP 0677764 A1 19951018 - ORZI DOMENICO [SA], et al
• [Y] WO 2008080020 A1 20080703 - HSU ROGER [US]
• [Y] EP 1762337 A1 20070314 - HOYA CORP [JP]
• [Y] EP 0928977 A1 19990714 - HOYA KABUSHIKI KAISHA [JP]
• See references of WO 2012118089A1

Cited by
WO2018211405A3; US11262565B2; US11630291B2; WO2024023701A1; EP3988290A1; WO2022084558A1; EP3988289A1; WO2022084559A2; US11926557B2; EP3988288A1; WO2022084557A1; US11899287B2

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